International application No.

PCT/FI 2004/000233

#### A. CLASSIFICATION OF SUBJECT MATTER IPC7: B65D 85/10, B65D 5/66 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC7: B65D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE, DK, FI, NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-INTERNAL C. DOCUMENTS CONSIDERED TO BE RELEVANT Category\* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X FI 63906 B (A.B. AKERLUND & RAUSING), 31 May 1-6 (31.05.1983), figure 1 A US 6199688 B1 (H. FOCKE), 13 March 2001 1-6 (13.03.2001), column 1, line 17 - line 39; column 6, line 17 - line 19, figure 6 GB 2106869 A (OY TAMPELLA AB), 20 April 1983 Α 1-6 (20.04.1983)US 5964345 A (A. GAMBERINI), 12 October 1999 Α 1-6 (12.10.1999), abstract Further documents are listed in the continuation of Box C. X See patent family annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand "A" document defining the general state of the art which is not considered. to be of particular relevance the principle or theory underlying the invention "E" earlier application or patent but published on or after the international document of particular relevance: the claimed invention cannot be filing date considered novel or cannot be considered to involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is "T." cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination means being obvious to a person skilled in the art document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 5 August 2004 **1** 1 -08- 2004 Name and mailing address of the ISA/ Authorized officer Swedish Patent Office Box 5055, S-102 42 STOCKHOLM William Helin / MRo Facsimile No. +46 8 666 02 86 Telephone No. +46 8 782 25 00

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	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	<del></del>
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
A	US 5678690 A (B. BELVEDERI ET AL), 21 October 1997 (21.10.1997), abstract	1-6
A	US 5462223 A (H. FOCKE ET AL), 31 October 1995 (31.10.1995), figure 2	1-6
A	US 4487596 A (M.G. LIVENS ET AL), 11 December 1984 (11.12.1984), figure 2	1-6
A	GB 2267272 A (FIELD GROUP LIMITED), 1 December 1993 (01.12.1993)	1-6
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)						
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:						
2. Claims Nos.: 7 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:/						
3. Claims Nos.:						
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).  Box No. III. Observations where units of investigation is both as a constant of the second and third sentences of Rule 6.4(a).						
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)  This International Searching Authority found multiple inventions in this international application, as follows:						
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.						
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.						
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:						
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:						
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.						

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Present claim 7 relates to an extremely large number of possible devices. Support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT is not to be found. A meaningful search over the whole of the claimed scope is impossible.

Independent of the above reasoning, claim 7 also lacks clarity. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible.

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Information on patent family members

03/07/2004

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PCT/FI 2004/000233

		•				
FI	63906	В	31/05/1983	DE	2526707 A	02/01/1976
				DK	270275 A	18/12/1979
				FI	751797 A	18/12/1979
				JP	1055002 C	23/07/1981
				JP	51014475 A	04/02/1976
				JP	55048019 B	03/12/1980
				NO	752134 A	18/12/1975
				SE	389321 B,C	01/11/1976
				SE	7407938 A	18/12/1975
US	6199688	B1	13/03/2001	BR	9712810 A	23/11/1999
				CN	1072158 B	03/10/2001
				CN	1229391 A	22/09/1999
				DE	19636365 A	09/04/1998
				DE	59706401 D	00/00/0000
				EP	0925228 A,B	30/06/1999
				ES	2168626 T	16/06/2002
			•	ID	21511 A	00/00/0000
				JP	2000517275 T	26/12/2000
				RU	2218297 C	10/12/2003
			ر عن ورد س بند من جب بند بند اند جب سر عن اند اند	WO	9809875 A	12/03/1998
B	2106869	A	20/04/1983	DE	3234411 A	05/05/1983
				DK	153824 B,C	12/09/1988
				DK	412182 A	02/04/1983
				FI	65046 B,C	30/11/1983
				FI	813052 A	02/04/1983
				NO	158179 B,C	18/04/1988
				NO	823221 A	05/04/1983
				SE	458602 B,C	17/04/1989
				SE	8205081 A	07/09/1982
IS	5964345	A	12/10/1999	BR	9505073 A	21/10/1997
				CN	1072168 B	03/10/2001
				CN	1132714 A	09/10/1996
				DE	69502569 D,T	10/09/1998
				EP	0710609 A,B	08/05/1996
			•	IT	1274093 B	15/07/1997
				ΙŢ	B0940483 A	07/05/1996
	*			JP	8217171 A	27/08/1996
S	5678690	A	21/10/1997	CN	1062827 B	07/03/2001
				CN	1127214 A	24/07/1996
				DE	19534026 A	28/03/1996
				IT	1274908 B	25/07/1997
				IT	B0940413 A	21/03/1996
				JP	8169485 A	02/07/1996

Information on patent family members

03/07/2004

International application No.
PCT/FI 2004/000233

US	5462223	A	31/10/1995	BR CN	9304970 A 1038662 B	21/06/1994 10/06/1998
				CN	1090811 A	17/08/1994
				DE	4241176 A	09/06/1994
				DE	59304414 D	00/00/0000
				EP	0601411 A,B	15/06/1994
				JP	2609052 B	14/05/1997
				JP	6305054 A	01/11/1994
				US	5656084 A	12/08/1997
US	4487596	A	11/12/1984	AT	12211 T	15/04/1985
				AU	546425 B	29/08/1985
				AU	7934782 A	16/08/1982
				BR	8108950 A	14/12/1982
				CA	1186541 A	07/05/1985
				CH	649739 A	14/06/1985
				CS	229645 B	18/06/1984
				DE DE	3169494 D	00/00/0000
				DK	8200355 U 157791 B,C	05/08/1982 19/02/1990
				DK	414282 A	16/09/1982
				EG	15295 A	31/03/1986
				EP	0069743 A,B	19/01/1983
				SE	0069743 T3	13/ 01/ 1303
				ES	508804 A	01/03/1983
				ES	518140 A	16/11/1983
				ES	8304483 A	01/06/1983
				ES	8400931 A	16/02/1984
				FI	76021 B,C	31/05/1988
				. FI	823134 A	10/09/1982
				GB	2091162 A,B	<i>2</i> 8/07/1982
				GR	75136 A	13/07/1984
				ΙE	53219 B	14/09/1988
				ĨE	820070 L	16/07/1982
				IL	64747 D	00/00/0000
				IN	156701 A	19/10/1985
				IT	1192354 B	13/04/1988
				IT ID	8209308 D	00/00/0000
				JP MW	57502162 T 4282 A	09/12/1982
				MX	155688 A	14/09/1983 13/04/1988
				NO	153598 B,C	13/01/1986
				NO	822791 A	16/08/1982
				NZ	199436 A	31/07/1985
				PT	74237 A,B	02/01/1982
				SÙ	1213979 A	23/02/1986
				WO	8202534 A	05/08/1982
				ŽĀ	8200263 A	29/12/1982
				ZW	682 A	03/08/1983
B	2267272	Α	01/12/1993	GB	9211456 D	00/00/0000